PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 0 6 OCT 2004

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Applicantle		netlo filo vetavana				WIPO	PCT
FP1711	s or age	ent's file reference	FOR FURTHER AC	CTION	See Notification Preliminary Exa	of Transmittal of Imination Report (International Form PCT/IPEA/416)
International application No. International filing date PCT/SG 02/00176 05.08.2002				(day/month/year) Priority date (day/month/year)			
G06F12	<i>I</i> 08		L both national classification a	and IPC			
INFINEC	ON TE	CHNOLOGIES AG		 -			
1. This	s interi hority	national preliminary exa and is transmitted to th	amination report has bee e applicant according to	n prepa Article 3	red by this Inter 6.	national Prelimi	nary Examining
2. This	s REP	ORT consists of a total	of 5 sheets, including th	nis cove	sheet.		
×	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
The	These annexes consist of a total of 1 sheets.						
3. This	s repor	Basis of the opinion Priority	relating to the following it f opinion with regard to n		nventive step a	nd industrial app	olicability
IV		Lack of unity of inver		-			,
V	×	Reasoned statement citations and explana	under Rule 66.2(a)(ii) wi tions supporting such sta	th regar atement	d to novelty, Inv	entive step or ir	idustrial applicability;
VI		Certain documents c	ited				
VII			international application	•			
VIII		Certain observations	on the international appl	ication			
Date of su	bmissio	on of the demand		Date of	completion of thi	s report	
23.12.20	003			05.10	.2004		
Name and preliminary	/ exami	g address of the internation	•	Authori	zed Officer		official Patenting.
0))	NL	ropean Patent Office - P.E -2280 HV Rijswijk - Pays . +31 70 340 - 2040 Tx: 3	Bas	Ledru	t, P		
<u> </u>	- Fa	k: +31 70 340 - 3016		Teleph	one No +31 70 3	40-2566	

Telephone No. +31 70 340-2566

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International application No.

PCT/SG 02/00176

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ı.	Bas	is (of 1	the	repo	nt

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	scription, Pages	
	1-7		as originally filed
	Cla	ims, Numbers	
	1-4		received on 12.05.2004 with letter of 12.05.2004
	Dra	wings, Sheets	
	1/3-	3/3	as originally filed
2.	Wit lanç	h regard to the langu guage in which the int	age, all the elements marked above were available or furnished to this Authority in the ernational application was filed, unless otherwise indicated under this item.
	The	ese elements were av	ailable or furnished to this Authority in the following language: , which is:
		the language of a tra	anslation furnished for the purposes of the international search (under Rule 23.1(b)).
			ication of the international application (under Rule 48.3(b)).
			anslation furnished for the purposes of international preliminary examination (under
3.	Witi inte	h regard to any nucle mational preliminary	ectide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:
		contained in the inte	rnational application in written form.
		filed together with th	e international application in computer readable form.
		furnished subsequer	ntly to this Authority in written form.
		furnished subsequer	ntly to this Authority in computer readable form.
		The statement that to in the international a	he subsequently furnished written sequence listing does not go beyond the disclosure pplication as filed has been furnished.
		The statement that the listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.
4.	The	amendments have r	esulted in the cancellation of:
		the description,	pages:
		the claims,	Nos.:
		the drawings,	sheets:

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5□	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).
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(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

- 6. Additional observations, if necessary:
- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Yes: Claims
No: Claims
Inventive step (IS)

Yes: Claims
No: Claims
1-4
Industrial applicability (IA)

Yes: Claims
1-4

No: Claims

2. Citations and explanations

see separate sheet

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Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- Claim 3: The text, at lines 12-13, "which have read/write access to external memory" renders claim 3 unclear (Article 6 PCT) and confuses the reader.

 Firstly due to the fact that claim 3 depends only on claim 1, it cannot be understood how the external memory is connected to the processing chips.

 Secondly in case the external memory being connected through the interface of claim 1, because data writes are discarded it signifies compulsorily that the processor chips do not have write access to external memory.
- 2 For the sake of discussing it will be assumed that the above mentioned clarity objection has been overcome.
- 3 The subject-matter of claim 1 does not involve an inventive step and therefore the application does not meet the requirements of Article 33(3) PCT, for the following reasons:
- 3.1 Claim 1 claims a data processing system consisting in:
 - a processor chip including a processor unit and an internal data cache, and
 - an interface adapted to discard any write instructions from the processor.
- 3.2 According to the primary examiner knowledge, exists a well known prior art Intel 486 SL Microprocessor, which comprises an Intel486 DX core with on chip cache and a memory interface (i.e. memory controller).
- 3.3 Claim 1 differs from this prior art only in that the interface is adapted to discard any write instructions from the processor.

This is however compulsory in case of ROM memory, because the interfacing of a standard CPU with on chip cache to a ROM memory will automatically discard any write instructions to the ROM memory.

Furthermore this does not produces any unexpected effect.

4 The subject-matter of claim 4 does not involve an inventive step and therefore the

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application does not meet the requirements of Article 33(3) PCT, for the following reasons:

- 4.1 The subject-matter of claim 4 corresponds in terms of method steps with the subject-matter of claim 1, which has not been considered inventive (see above items 3,3.1-3.3).
- 5 The additional features of dependent claims 2 and 3, do not add anything inventive to independent claim 1 as required by Article 33(3) PCT, for the following reasons:
- 5.1 Claim 2: The interface of the Intel 486 SL is coupled to a memory and passes data to the CPU during initialisation.
- 5.2 Claim 3: The use of a plurality of CPU's is a common measure.